

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-10: (*Cancelled*).

11. (*Currently Amended*): An apparatus for executing an operation ~~in~~ inside a vessel of a nuclear reactor that includes a jet pump with an inlet mixer, a nozzle, and a side opening positioned between the inlet mixer and the nozzle, the apparatus comprising:

[[a]] an apparatus body comprising an elongated tubular member and configured to be body-suitable for being suspended and substantially inserted lowered into the vessel jet pump during the operation without being connected to the vessel or a pump connected to the vessel;

a tool attached to the apparatus body for at least one of repairing and inspecting executing the operation within an interior of the jet pump in the vessel; and

a guide rod, disposed at an end portion of the apparatus body, having an incline at a predetermined angle relative having an inclined surface with respect to a vertical axis of the apparatus body when the body is suspended, wherein the inclined guide rod is movably supported at a lower portion of the body so that the inclined surface of the guide is first inserted into the pump when the body is suspended and lowered into the vessel being configured to facilitate entry of the guide rod into a tapered surface of the side opening of the jet pump,

wherein, after the guide rod is inserted into the side opening, the apparatus body is lowered and substantially inserted into the jet pump to enable the tool to perform the operation.

12. (*Cancelled*).

13. (*Currently Amended*): [[An]] The apparatus for executing an operation in a vessel of a nuclear reactor according to claim 11, wherein the guide rod is freely and movably supported at the lower end portion of the apparatus body and inclined at [[a]] the predetermined angle with respect to the vertical axis due to gravitational force.

14. (*Currently Amended*): ~~[[An]]~~ The apparatus for executing an operation in a vessel of a nuclear reactor according to claim 11, wherein the guide rod is biased to return to ~~[[a]]~~ the predetermined angle with respect to the body.

15. (*Withdrawn*): An apparatus for executing an operation in a vessel of a nuclear reactor according to claim 11, wherein an angle between the guide and the body is adjustable.

16. (*Withdrawn*): An apparatus for executing an operation in a vessel of a nuclear reactor according to claim 11, wherein the tool commonly serves as the guide.

17. (*Withdrawn*): An apparatus for executing an operation in a vessel of a nuclear reactor according to claim 11, wherein the body includes:

at least 3 members interconnected by joints, at least one of the joints being at least one of a rotational joint and a bending joint; and

a plurality of extendable supports capable of stabilizing the body against a first plurality of interior surfaces of the pump.

18. (*Withdrawn*): An apparatus for executing an operation in a vessel of a nuclear reactor according to claim 11 further comprising:

a first plurality of extendable supports attached to the body and capable of stabilizing the body against a first plurality of interior surfaces of the pump.

19. (*Withdrawn*): An apparatus for executing an operation in a vessel of a nuclear reactor according to claim 18 further comprising:

a second plurality of extendable supports attached to the body and capable of stabilizing the body against a second plurality of interior surfaces of the pump.

20. (*Withdrawn*): An apparatus for executing an operation in a vessel of a nuclear reactor according to claim 11 wherein, the body includes a plurality of joints, the joints including

a joint that rotates around the vertical axis and a joint that adjusts an angle with respect to the vertical axis.

21. – 23. (*Cancelled*).

24. (*Withdrawn*): An apparatus for executing an operation in a vessel of a nuclear reactor according to claim 21, wherein an angle between the guide and the body is adjustable.

25. (*Withdrawn*): An apparatus for executing an operation in a vessel of a nuclear reactor according to claim 21, wherein the tool commonly serves as the guide.

26. (*Withdrawn*): An apparatus for executing an operation in a vessel of a nuclear reactor according to claim 21, wherein the body includes:

at least 3 members interconnected by joints, at least one of the joints being at least one of a rotational joint and a bending joint; and

a plurality of extendable supports capable of stabilizing the body against a first plurality of interior surfaces of the pump.

27. (*Withdrawn*): An apparatus for executing an operation in a vessel of a nuclear reactor according to claim 21 further comprising:

a first plurality of extendable supports attached to the body and capable of stabilizing the body against a first plurality of interior surfaces of the pump.

28. (*Withdrawn*): An apparatus for executing an operation in a vessel of a nuclear reactor according to claim 27 further comprising:

a second plurality of extendable supports attached to the body and capable of stabilizing the body against a second plurality of interior surfaces of the pump.

29. (*Withdrawn*): An apparatus for executing an operation in a vessel of a nuclear reactor according to claim 21 wherein, the body includes a plurality of joints, the joints including

a joint that rotates around the vertical axis and a joint that adjusts an angle with respect to the vertical axis.

30. (*Currently Amended*): The apparatus ~~[[of]]~~ for executing an operation in a vessel of a nuclear reactor according to claim 11, wherein an orientation of the guide rod is adaptively varied by a moveable support so as to correspond to an interior surface of the jet pump as the guide rod is inserted into the jet pump.

31. (*Cancelled*).